

## NASA PARTS PROGRAM OFFICE RESPONSIBILITIES

Patrick L. Kilroy  
 NASA Goddard Space Flight Center  
 Greenbelt, Maryland

## NASA PARTS PROGRAM OFFICE RESPONSIBILITIES

- DESIGNATED AS LEAD CENTER OFFICE FOR ELECTRICAL, ELECTRONIC, AND ELECTROMECHANICAL PARTS STANDARDIZATION
- PROGRAM FUNDING FROM NASA HEADQUARTERS OFFICE OF SAFETY AND MISSION ASSURANCE, CODE Q
- LEAD CENTER RESPONSIBILITIES DEFINED THROUGH A NASA MANAGEMENT INSTRUCTION

## NASA PARTS PROJECT OFFICE RESPONSIBILITIES

- NMI 5320.6B REQUIREMENTS:
  - ESTABLISH AND ENSURE COMPLIANCE FOR EEE PARTS TECHNICAL REQUIREMENTS
  - OBTAIN CENTER PARTS USAGE DATA
  - DEVELOP AND SUPPORT THE EEE PARTS INFORMATION MANAGEMENT SYSTEM
  - ESTABLISH GROUNDRULES FOR STANDARD PART SELECTIONS
  - EVALUATE AND COORDINATE GOVERNMENT AND MILITARY SPECIFICATIONS, STANDARDS, AND HANDBOOKS
  - ESTABLISH STANDARD PART QUALIFICATION REQUIREMENTS, PERFORM MANUFACTURER AUDITS AND SURVEYS, LEVERAGE OFF QPL AND QML ACTIVITIES
  - UPDATE AND MAINTAIN STANDARD PART DOCUMENTS (MIL-STD-975, MIL-HDBK-978, ETC...)
  - DEVELOP TEST AND ANALYSIS REQUIREMENTS, PERFORM PRODUCT EVALUATIONS, DISSEMINATE TEST RESULTS AND REPORTS TO CENTERS, PARTICIPATE IN THE GIDEP PROGRAM

## **Development Priorities Identified by the NASA Parts Steering Committee**

- **GIDEP**
  - NASA internal problem rating and status notification system for projects
  - closed-loop system
  - remote notification of impacts to contractors, PI's
- **MIL-STD-975**
  - complete version with notes, etc.
  - grandfathered versions
  - part selection by attributes
  - nomination of parts; status of candidate parts
- **NASA Advisories**
  - link to project problem reporting system
- **Project Parts Lists**
  - enhanced reports
  - direct capture from CAD applications
- **Derating Criteria**
  - derating calculation
- **Manufacturer Surveys/Audits**
- **Radiation Data**
- **Parts Library** — specification information, selection of parts by parameters

## **Development Priorities Identified by the NASA Parts Steering Committee (continued)**

- **Parts Selection Lists**
- **NASA In-House Parts Inventory**
- **NSPAR's**
- **Part Specifications**
- **Reliability Data**
- **MIL-HDBK-978**
- **FA's, DPA's, & Evaluations** — input function for NASA centers
- **Additional reporting capabilities (all functions and applications)**
- **Functions to download and export data to PC client**
- **Contractor node implementations**
- **Technical Documents**
- **Technical News**

## Candidate Functions for EPIMS baseline

- GIDEP FEDI and NASA Advisories
- CAGE Directory
- FSC Directory
- User Directory
- Project Parts Lists
- Alert/Advisory Impact Cross-Reference
- MIL-STD-975
- Parts Lists Comparison
- NSPAR's
- Manufacturer Surveys/Audits
- Parts News and Technical Document Archives
- FA/DPA/Evaluation Reports

### NATIONAL AERONAUTICS AND SPACE ADMINISTRATION GODDARD SPACE FLIGHT CENTER



